

Appendix A - Claims

1. (currently amended) Apparatus for adjusting transmission power of a first fixed location device capable of communicating with a plurality of mobile devices associated with the first fixed location device in a wireless communications environment via a radio frequency channel of which a first mobile device is the furthest mobile device from the first fixed location device, comprising:

logic for detecting that ~~another~~ a second fixed location device is also using the radio frequency channel as the first fixed location device, and that the second fixed location device is nearer to the first fixed location device than any other fixed location device operating on the radio frequency;

logic for ascertaining whether the second fixed location device is nearer to the first fixed location device than the first mobile device; and
logic for adjusting transmit power such that:

if the second fixed location device is nearer to the first fixed location device than the first mobile device, transmit power is set based on distance to the first mobile device; and

if the second fixed location device is not nearer to the first fixed location device than the first mobile device, transmit power is set based on distance to the second fixed location device.

2. (currently amended) The apparatus of claim 1 wherein the logic for adjusting transmit power does so in response to a message received from the ~~another~~ second fixed location

device, the message indicating power level backoff of the ~~another~~ second fixed location device.

3. (withdrawn) Apparatus capable of communicating in a wireless communications environment via a radio frequency channel, comprising:

logic for detecting that at another device is also using the radio frequency channel;
logic for adjusting transmit power in response to a message received from the another device, the message indicating the transmitted power level of the another device.

4. (withdrawn) Apparatus capable of communicating in a wireless communications environment via a radio frequency channel, comprising:

logic for maintaining a known devices table, wherein the known devices table includes an entry for each other device operating on the radio frequency channel, and wherein for each entry, a backoff value is recorded for each other device, the backoff value for each device indicative of an amount that the device's power has been adjusted;
logic for setting the transmit power of the apparatus to a level equivalent to the apparatus' maximum transmit power minus the maximum of the backoff values recorded for each other device.

5. (withdrawn) The apparatus of claim 4 further comprising: logic for transmitting a backoff value indicative of the amount by which the apparatus has adjusted its transmit power.